

AMENDMENTS TO THE SPECIFICATION

Please replace the title beginning at page 1, line 3, with the following rewritten title:

-- ~~Single Crystal Pulling Apparatus For Metal Fluoride~~SINGLE CRYSTAL
PULLING APPARATUS FOR A METAL FLUORIDE --

Please replace the paragraph beginning at page 1, line 18, with the following rewritten paragraph:

-- For this reason, ~~the there is a high demand for~~ single crystals of these metal fluorides ~~have widely been demanded for use as~~ optical materials such as ~~in~~ various apparatuses ~~devices~~ using a laser having an ultraviolet wavelength or a vacuum ultraviolet wavelength, ~~in~~ a lens of a camera or a CVD device and ~~as~~ a window material. --

Please replace the paragraph beginning at page 2, line 7, with the following rewritten paragraph:

-- Conventionally, ~~there has been~~ it is known that such a single crystal of ~~the a~~ metal fluoride can be manufactured by a crucible dropping method (Bridgman-Stockbarger method) and ~~by~~ a pulling method (Czochralski method). --

Please replace the paragraph beginning at page 9, line 5, with the following rewritten paragraph:

-- On the condition that the single crystal is grown, similarly, the generation of the crack cannot be suppressed at such a high level as to be satisfied. In the case in which the metal fluoride is calcium fluoride or the case in which the crucible to be provided is a large-sized apparatus having a ~~maximum~~ inside diameter of 11 cm or more, particularly, the crack is still generated considerably. --

Please replace the section heading beginning at page 12, line 21, with the following rewritten section heading:

-- DISCLOSURE SUMMARY OF THE INVENTION --

Please replace the paragraph beginning at page 17, line 14, with the following rewritten paragraph:

-- Furthermore, the single crystal pulling apparatus for a metal fluoride according to the present invention is characterized in that the crucible has a maximum-inside diameter of 11 cm or more. --

Please replace the paragraph beginning at page 17, line 18, with the following rewritten paragraph:

-- More specifically, in the case in which there is employed a large-sized single crystal pulling apparatus for a metal fluoride in which a crucible has a maximum-inside diameter of 11 cm or more, which leads to the generation of a crack on the single crystal remarkably, the advantage can be produced particularly strikingly so that a large-sized single crystal having no crack can be manufactured. --

Please replace the section heading beginning at page 18, line 14, with the following rewritten section heading:

-- ~~BEST MODE FOR CARRYING OUT~~ DETAILED DESCRIPTION OF
THE INVENTION --

Please replace the paragraph beginning at page 29, line 1, with the following rewritten paragraph:

-- In the case in which the characteristic structure according to the present invention is employed in a large-sized single crystal pulling apparatus for a metal fluoride in which a crack is generated on a single crystal particularly remarkably and a crucible has a maximum-inside diameter of 11 cm or more, advantages can be produced particularly remarkably, which is suitable. --

Please delete the section heading beginning at page 38, line 19.

Please replace the paragraph beginning at page 41, line 8, with the following rewritten paragraph:

-- Furthermore, in the case in which the single crystal of the metal fluoride is manufactured by a large-sized apparatus in which a crucible has a maximum-inside diameter of 11 cm or more, which lead to the generation of a crack remarkably. According to the single crystal pulling apparatus in accordance with the present invention, consequently, even in case of such a large-sized apparatus, the advantages of the present invention can be

Application No. Not Yet Assigned
Paper Dated: November 19, 2003
In Reply to USPTO Correspondence of N/A
Attorney Docket No. 1217-032261

Customer No. 28289

produced particularly remarkably and a single crystal having no large crack can be manufactured. --